

Claims

- [c1] A watercraft apparatus comprising:
- a body having a front, a back and two transversely opposed sides;
 - and a propulsion structure coupled to the body with a pivoting structure and having an elongated rod member with an upper portion and a lower portion, each portion being moveable between forward and rearward positions relative to the body, and a fin member pivotally coupled to the rod member intermediate the upper and lower portions and adapted to extend substantially perpendicular from the body when the lower portion is moved from the forward position to the rearward position and lay substantially parallel to the body when the lower portion is moved from the rearward position to the forward position.
- [c2] The apparatus as claimed in claim 1 further comprising a foot attachment structure coupled adjacent to a terminus of the lower portion and adapted to couple a user's foot to the propulsion structure.
- [c3] The apparatus as claimed in claim 2 wherein the foot at-

tachment structure includes a strap coupled to the lower portion and defining a substantial loop of the strap.

[c4] The apparatus as claimed in claim 1 wherein the upper portion is inversely moveable between the forward and rearward positions relative to the forward and rearward positions of the lower portion.

[c5] The apparatus as claimed in claim 1 wherein the pivoting structure includes an outwardly extending wing member coupled to the body and having top and bottom sides and a bore extending vertically therethrough and terminating with respective apertures on the top side and on the bottom side.

[c6] The apparatus as claimed in claim 5 wherein the aperture on the bottom side has a substantial L-shape with a first leg disposed substantially parallel to the body and a second leg disposed substantially perpendicular to the body, the first and second legs intersect each other at an intersection.

[c7] The apparatus as claimed in claim 6 wherein the aperture disposed on the top side has a substantially circular shape and is substantially axially aligned with the intersection of the first and second legs.

[c8] The apparatus as claimed in claim 7 wherein the rod

member is disposed through the bore wherein the upper portion is disposed above the wing member and the fin member is disposed below the wing member.

[c9] The apparatus as claimed in claim 7 wherein the bore is proportionally tapered to connect the L-shaped aperture to the circular shaped aperture.

[c10] A propulsion structure for a water craft, comprising:
an elongated rod member coupled to the water craft and having an upper portion and a lower portion, each portion being moveable between forward and rearward positions relative to the water craft, and a fin member pivotally coupled to the rod member intermediate the upper and lower portions and adapted to extend substantially perpendicular from the body when the lower portion is moved from the forward position to the rearward position and lay substantially parallel to the body when the lower portion is moved from the rearward position to the forward position.

[c11] The propulsion structure as claimed in claim 10 further comprising a foot attachment structure coupled adjacent to a terminus of the lower portion.

[c12] The propulsion structure as claimed in claim 11 wherein

the foot attachment structure includes a strap coupled to the lower portion and defining a substantial loop of the strap.

[c13] The propulsion structure as claimed in claim 10 wherein the upper portion is inversely moveable between the forward and rearward positions relative to the forward and rearward positions of the lower portion.

[c14] The propulsion structure as claimed in claim 10 wherein the elongated rod member coupled to the water craft with a pivoting structure.

[c15] The propulsion structure as claimed in claim 14 wherein the pivoting structure includes an outwardly extending wing member having top and bottom sides and a bore extending vertically therethrough and terminating with respective apertures on the top side and on the bottom side.

[c16] The propulsion structure as claimed in claim 15 wherein the aperture on the bottom side has a substantial L-shape with a first leg disposed substantially parallel to the body and a second leg disposed substantially perpendicular from the body, the first and second legs intersect each other at an intersection.

[c17] The propulsion structure as claimed in claim 16 wherein

the aperture disposed on the top side has a substantially circular shape and is substantially axially aligned with the intersection of the first and second legs.

[c18] The propulsion structure as claimed in claim 17 wherein the rod member is disposed through the bore wherein the upper portion is disposed above the wing member and the fin member is disposed below the wing member

[c19] A method of propelling a water craft comprising:
coupling a propulsion structure having an elongated rod with a pivotally coupled fin member to the water craft wherein the rod is moveable between forward and rearward positions relative to the water craft;
and
moving the rod from the forward position to the rearward position, thereby causing water to resist movement of the fin member and causing propulsion of the water craft.